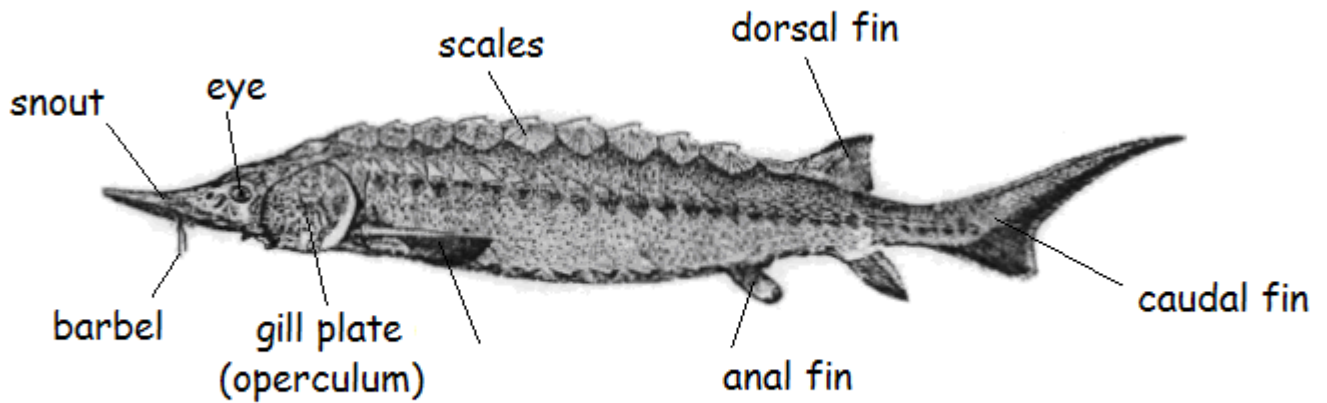


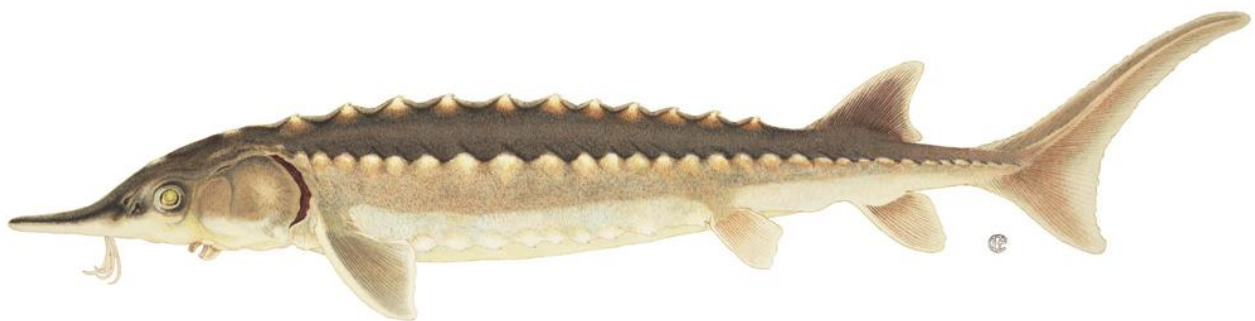
This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Now that you have the idea of building a dichotomous key, let's build one for sturgeon. Here's a picture of a typical sturgeon and some of its morphological characteristics.



Below are seven different species that all belong to the order Acipenseriformes. They all have similar characteristics but belong in different species. Create a dichotomous key for these fish. Use adjectives to describe the morphological differences between each species. You can build this dichotomous key using no more than 7 sets of statements but if you need more, that will do as well. Your finished key should be typed and handed in at the end of next class.

Atlantic Sturgeon



http://pond.dnr.cornell.edu/nyfish/Acipenseridae/atlantic_sturgeon.jpg

Lake Sturgeon



http://pond.dnr.cornell.edu/nyfish/Acipenseridae/lake_sturgeon.jpg

Shortnose Sturgeon



http://pond.dnr.cornell.edu/nyfish/Acipenseridae/shortnose_sturgeon.jpg

Shovelnose



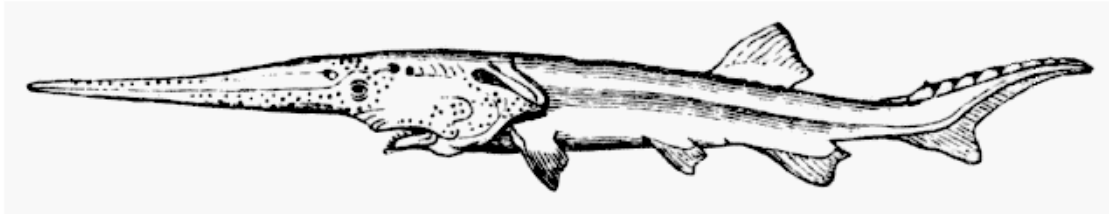
<http://www.landbigfish.com/images/fish/ShovelnoseSturgeon.jpg>

American Paddlefish



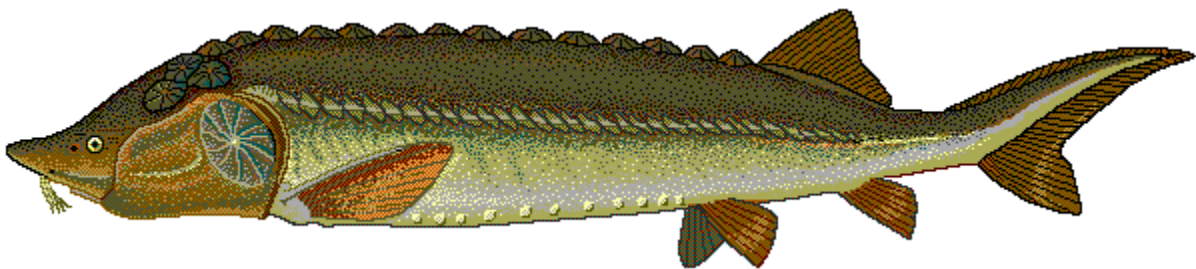
http://animaldiversity.ummz.umich.edu/site/resources/Grzimek_fish/Acipenseriformes/Polyodon_spathula.jpg/badge.jpg

Chinese Paddlefish



http://upload.wikimedia.org/wikipedia/commons/e/ee/Psephurus_gladius.png

Beluga Sturgeon



http://upload.wikimedia.org/wikipedia/commons/e/e7/Beluga_sturgeon.png

Post Questions.

1. What is the scientific name for each species?

Atlantic _____

Lake _____

Shortnose _____

Shovelnose _____

American paddlefish _____

Chinese paddlefish _____

Beluga sturgeon _____

2. Research one sturgeon in terms of its current location, habitat, population status, historical population status, and human usage. Identify two factors attributed to the current population status. Your response should be one paragraph.

3. Choose a different marine fish and research its classification from Kingdom to species. List them below, with their meaning.

Kingdom _____

Phylum _____

Class _____

Order _____

Family _____

Genus _____

Species _____